

## PATENT

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re: application of: Keith R. McCrae

Application No.: 09/437,912

Group Art Unit: 1653

Filed: November 9, 1999

For: INHIBITION OF ANGIOGENESIS BY HIGH  
MOLECULAR WEIGHT KININOGEN PEPTIDE  
ANALOGS THEREOF

Examiner: H. Robinson

**DECLARATION OF KEITH R. McCRAE, M.D. UNDER 37 C.F.R.  
§1.132**

1. I, Keith R. McCrae, hereby declare and state as follows:

2. I am the inventor of the above-identified patent application. I have read the office action dated September 4, 2003 (Paper No. 24).

3. The application discloses an invention directed to a high molecular weight kininogen peptides for treating angiogenesis. The present invention is based upon the discovery that two-chain high molecular weight kininogen (HK<sub>a</sub>) and selected peptides of HK<sub>a</sub> inhibit endothelial cell proliferation and/or induce endothelial cell apoptosis. These activities confer upon the HK<sub>a</sub> peptides of the invention the ability to inhibit cytokine-driven angiogenesis.

**CERTIFICATE OF MAILING**

**UNDER 37 C.F.R. 1.8(a)**

I hereby certify that this paper, along with any paper referred to as being attached or enclosed, is being deposited with the United States Postal Service on the date indicated below, with sufficient postage, as first class mail, in an envelope addressed to: MS' AF, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

BY: Ng Davis R. Collins

DATE: 1/6/04

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